

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 **Claim 1 (currently amended):** A method to control a
2 transmission system comprising at least one transmitter and
3 at least one receiver, the method comprising the steps of:
4 transmitting a signal wirelessly through an
5 information channel, the signal being modulated in at least
6 one of amplitude, frequency and phase;
7 transmitting configuration parameters wirelessly
8 through a control channel independent of the signal
9 transmitted through the information channel, and
10 implementing adjustments in the receiver according to
11 configuration parameters to enable demodulation of the
12 signal transmitted through the information channel.

1 **Claim 2 (previously presented):** Method as claimed in
2 claim 1, wherein an identification code is transmitted
3 through the control channel, and wherein the identification
4 code is checked in the receiver and based on the check the
5 adjustments are carried out in the receiver according to
6 corresponding configuration parameters.

1 **Claim 3 (previously presented):** Method as claimed in
2 one of the above claims, wherein the receiver is programmed
3 by a configuration unit, and wherein programming data for
4 programming the configuration unit is transmitted through
5 the control channel.

1 **Claim 4 (previously presented):** Method as claimed in
2 claim 3, wherein information is transmitted from the
3 receiver through the control channel to the configuration
4 unit.

1 **Claim 5 (previously presented):** Method as claimed in
2 claim 2, wherein one or more identification codes are
3 addressed to a plurality of receivers.

1 **Claim 6 (previously presented):** Method as claimed in
2 claim 1, wherein the demodulation of the signal based on
3 the configuration parameters is carried out using a
4 generated frequency to produce at least one demodulated
5 signal, and wherein the at least one demodulated signal is
6 fed to another processing unit of at least one of a hearing
7 aid and an electro-acoustic transducer.

1 **Claim 7 (previously presented):** Method as claimed in
2 claim 1, wherein a total transfer function resulting from
3 the transmitter and the receiver is modified in the
4 receiver by transmitting transfer-function parameters of
5 the transmitter through the control channel to the
6 receiver, said transfer-function parameters comprising
7 amplification and frequency of transmission, and wherein
8 the transfer function of the receiver is modified in
9 relation to a desired total transfer function.

1 **Claim 8 (previously presented):** Method as claimed in
2 claim 1, wherein an antenna receiving the modulated signal
3 is tuned to a particular transmission frequency.

1 **Claim 9 (previously presented):** Method as claimed in
2 claim 1, wherein the transmission through the control
3 channel is carried out using FSK (frequency shift keying)
4 modulation.

1 **Claim 10 (previously presented):** Method as claimed in
2 claim 1, wherein audio signals are transmitted from the
3 transmitter to the at least one receiver, wherein the at
4 least one receiver is connected to at least one of a
5 hearing aid and an electro-acoustic transducer.

1 **Claim 11 (currently amended):** A wireless transmission
2 system comprising:
3 a receiver comprising an antenna;
4 at least one transmitter;
5 a signal which is modulated in at least one of
6 amplitude, frequency and phase, the signal being
7 transmitted wirelessly through an information channel from
8 one of the at least one transmitters to the receiver;
9 for generating and transmitting configuration
10 parameters for enabling demodulation of the signal, and the
11 configuration parameters being transmitted independent of
12 the signal and wirelessly through a control channel
13 independent of the information channel; and
14 means for receiving and processing the configuration
15 parameters, said means being provided in the receiver.

1 **Claim 12 (previously presented):** Transmission system
2 as claimed in claim 11, wherein the means for generating
3 and transmitting the configuration parameters are provided
4 in at least one of a remote control, a transmitter, a
5 control unit connected to a loop antenna and a
6 configuration unit.

1 **Claim 13 (previously presented):** Transmission system
2 as claimed in claim 11, wherein the receiver is connected
3 to at least one of a hearing aid and an electro-acoustic
4 transducer.

1 **Claim 14 (currently amended):** A receiving device
2 comprising:

3 a receiver for wirelessly receiving signals which are
4 modulated in at least one of frequency and phase, the
5 signals being received at an antenna connected through a
6 filter-amplifier unit and a consecutive mixer to a
7 demodulator to generate demodulated signals based on
8 configuration parameters, the mixer being loaded with an
9 output signal from a synthesizer which is controlled by a
10 control unit; and

11 transceiving means for wirelessly receiving the
12 configuration parameters independent of a signal received
13 by the receiver, the transceiving means being connected to
14 the control unit.

1 **Claim 15 (previously presented):** A device as claimed
2 in claim 14, wherein the transceiving means comprises a
3 transceiver, a transceiving coil and a capacitor to adjust
4 the transceiving coil.

1 **Claim 16 (previously presented):** A device as claimed
2 in claim 14, further comprising an integrated circuit on a
3 CMOS chip, the integrated circuit comprising the filter-
4 amplifier unit, the mixer, the demodulator, the synthesizer
5 and the control unit.

1 **Claim 17 (previously presented):** A device as claimed
2 in claim 14, further comprising a hearing aid comprising
3 the receiver.

1 **Claim 18 (previously presented):** A method as claimed
2 in claim 1, wherein the control channel is separate from
3 the information channel.

1 **Claim 19 (previously presented):** A method as claimed
2 in claim 1, wherein the control channel has a carrier
3 frequency different from a carrier frequency of the
4 information channel.

1 **Claim 20 (previously presented):** A method as claimed
2 in claim 19, wherein the configuration parameters comprise
3 an identification of the carrier frequency of the
4 information channel.